SECRET
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PAG/OSS/M-30-67
11 October 1967

MEMORANDUM FOR: Chief, Information Processing Division, NPIC

SUBJECT : On-Line Capability for Chip Comparators

1. The Photographic Analysis Group anticipates receipt of two Chip Comparators by 1 November 1967. These instruments will require an on-line capability in support of requests for measurements and plots initated by the photointerpreters and personnel of the Photogrammetric Branch/TID who will also use these instruments in PAG. It is imperative therefore that an on-line capability for mensuration and plotting be available for our use.

25X1A 2. The [redacted] Reader/Viewer is to be removed and stored to make room for the two Chip Comparators. The same area (rooms 3B455-D&E) is to be used as a comparator installation.

3. It would be appreciated if you would keep us informed concerning any problems that can be forseen in the comparator operations or their on-line capability.

[redacted] 25X1A

Assistant for Photographic Analysis, NPIC

Distribution:
Orig - Addressee
1 - Exec Dir/NPIC
25X1A 1 - NPIC/TID [redacted]
1 - NPIC/PAG
1 - Chrono

DECLASS REVIEW by NIMA/DOD

GROUP 1
Excluded from automatic downgrading and declassification

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CENTER ROUTING SLIP

FROM	DATE
TID	13 Oct

TO		INITIALS	DATE
DIR			
DEP/DIR			
EXEC/DIR			
TECH ADV			
SPECIAL ASST			
CH/SS			
ASST FOR P&M			
ASST FOR OPS			
ASST FOR PA			
ASST FOR TD			
	/ STATINTL		
CH/CSD			
CH/IPD			
CH/PD			
CH/PSD			
CH/TID			
CH/CIA/IAD			
CH/DIA/XX-4			
CH/DIA/AP-IP			
CH/SPAD			
LO/CGS/CIA			
LO/NSA			

REMARKS

John STATINTL

Can find [ ]

sort of got organizations

and names matched up.

This was to come to

you, Ralph.

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IP FM 30 (10-66) DESTROY PREVIOUS EDITIONS

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TRANSMITTAL SLIP	DATE 12 October
TO: IID (Attn: [redacted])	
ROOM NO. 2N 414	BUILDING 213
REMARKS: RSP - 12 Oct: w/hr is [redacted]	
FROM: PAG	
ROOM NO. 3547	BUILD[redacted]

FORM NO. 241 1 FEB 55 REPLACES FORM 36-8 WHICH MAY BE USED. (47)

STATINTL

STATINTL

STATINTL

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Background Only
Do not Type

Memo for: Executive Officer, NPIC

STATINTL

Subject: [redacted] Chip Comparators

1. On 28 June 1963 the Agency entered into a fixed price contract with [redacted] STATINTL for the design and fabrication of a stereo viewing chip comparators, model 405A. This comparator was delivered ~~to NPIC in July 1964~~ and operational at the NPIC by 22 July 1964, and was accepted shortly thereafter by the project monitor

STATINTL [redacted]

2. On 22 June 1964 the Agency entered into contract with [redacted] STATINTL

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for three model 405B chip comparators. This contract was ammended in 1965 to include ~~the~~ 2 additional chip comparators (the model 405B is essentially an improved version of the 405A). This was a ~~fixed~~ ~~price~~ Fixed Price Incentive contract with a ceiling of $ STATINTL as ammended. The contract ceiling price includes Fixed Price Proprietary items in the amount of $ STATINTL (the Interferometers and ~~associated~~ associated electronics), a Contract Target Cost of $ STATINTL and a Contract Target Profit of $ STATINTL. STATINTL mechanisms has expended this

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and has been given a change of scope which has raised the
funding level, ~~that has been~~ STATINTL ~~to the~~
target Ceiling Price ~~to~~ to [redacted]
There for they have received [redacted] STATINTL in progress payments.
The equipment has been fabricated and delivery
of the 1st unit was made in November 1965.
All five comparators were delivered but
only one unit was ever completely
installed and checked out. As a result
of the failure of the interferometers on
the one unit installed, and the equally
poor results obtained thus far on the
405A, none of the five 405B comparators
were accepted by the project monitor
STATINTL [redacted]

3 On 8 July 1966 a letter was

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sent to [redacted] STATINTL expressing our concern to the company on the performance received to date. On 22 July 1964 a letter was sent to us by [redacted] STATINTL outlining the corrective actions they intended taking. During this time period, the 405A machine was returned to [redacted] STATINTL by IAS to have it modified to include all of the features of the 405B machine.

4. In October 1966 [redacted] STATINTL of the staff was assigned the

It should be noted that the basic problem with the comparators was in the

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interferometers and associated electronics, ~~Optec~~ which is a patented company

STATINTL

propiotary item with [redacted]

A few mechanical and optical problems

existed but they were of a secondary

nature.

STATINTL

4. In October of 1966 [redacted]

was assigned the ~~task~~ task of

getting the interferometers operational

STATINTL

On 28 October 1966 he visited [redacted]

to review the progress they made and the

following agreements were made:

~~1) That the gentleman that~~

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1) The desired maintance goal on the interferometers was that they would operate reliability [redacted] within spces for one month without requiring maintance adjustment. The minimum acceptable period of performance was to be two weeks (the contract made no provision for period of performance).

STATINTL

2) Since [redacted] had the 405A comparator there for modification it was decided to incorporate all the interferometer improvements in the 405A model so that a

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completed unit could be checked out at the factory. This required that seperate funding provisions be made for handling the 405A interferometer modifications since it had been previously accepted and the modifications currently being done did not include the interferometers. I

STATINTL

Check date of Jan visit from Tranek Vouchers

On 3rd & 4th of 6 January 1967

STATINTL

check Geo dec.

[redacted] to check out the ~~405A (2)~~ 405AM (modified) comparator with the

STATINTL

understanding from [redacted] that the unit was operating within

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the prescribed limits. There were no observed malfunctions ~~during~~ during this ~~in~~ plant check out period. Based on STATINTL this inspection visit [redacted] was then authorized to ship the instrument STATINTL to [redacted]. The ~~instrument~~ computer arrived on 23 January and was installed and operational by noon on the 27th of January. During the month of February TDS gave the instrument occasional random testing, assuming IAS was working with it daily to achieve operational real-time data processing. By late February or early March it was apparent that

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IAS was spending what limited time they put on the comparator to getting operational with the computer and were not observing the reliability factor in a valid sense. By early March the equipment was inoperatable in a production sense and STATINTL was called in to check it out

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